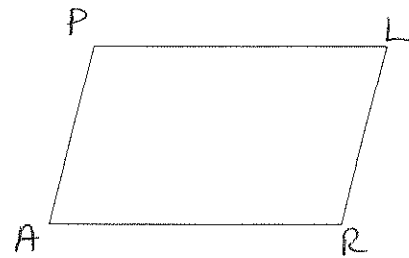


Classwork 79-Quadrilaterals

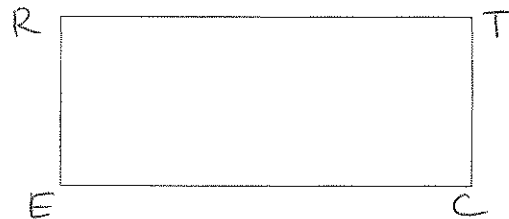
Parallelogram

1. The _____ sides are parallel PL ____ AR, AP ____ RL
2. The _____ sides are _____
3. The opposite angles are _____
4. The _____ bisect each other
5. Any _____ angles are supplementary



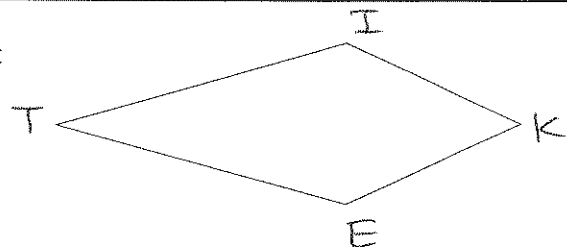
Rectangle

1. All properties of a parallelogram apply to rectangle
2. All angles are _____ angles
3. The diagonals are _____



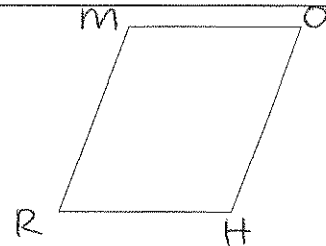
Kite

1. Two _____ pairs of consecutive sides are congruent
2. The _____ are perpendicular
3. _____ diagonal is _____ bisector of the other
4. One of the _____ bisect a pair of opposite angles
5. One pair of _____ angles are congruent



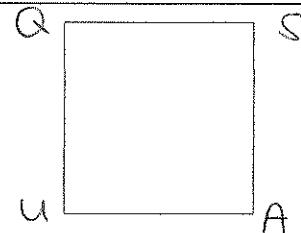
Rhombus

1. All the properties of a parallelogram applies to rhombus
2. All the properties apply to a rhombus
3. All the _____ are congruent, (rhombus is equilateral)
4. The _____ bisect the angles
5. The diagonals are _____ bisectors of each other
6. The diagonals divide the rhombus into _____ congruent right triangles



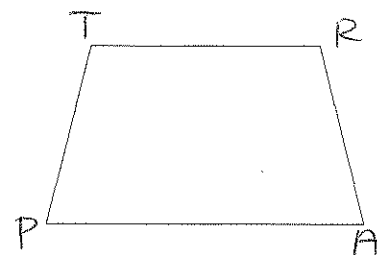
Square

1. All properties of a rectangle apply to square
2. All properties of rhombus apply by to square
3. The diagonals form four isosceles right triangle



Isosceles Trapezoid

1. The legs are _____ by definition
2. The bases are parallel
3. The _____ base angles are congruent
4. The _____ base angels are congruent
5. The _____ are congruent
6. Any lower base angle is supplementary to any upper base angle



Properties of Quadrilaterals

Name _____

Properties	Quadrilateral	Parallelogram	Rhombus	Rectangle	Square	Kite	Trapezoid	Isosceles Trapezoid
Angle sum is 360°								
No pairs of opposites sides are \parallel								
Exactly one pair of opposite sides are \parallel								
Both pairs of opposite sides are \parallel								
Exactly one pair of opposite sides are \cong								
Both pairs of opposite sides are \cong								
Two pairs of adjacent sides are \cong , but different from each other								
All sides are \cong								
Exactly one pair of opposite angles are \cong								
Both pairs of opposite angles are \cong								
All angles are right								
Consecutive angles supplementary								
Base angles \cong								
Diagonals bisect each other								
Diagonals are \cong								
Diagonals are \perp								
Each diagonal bisects opposite angles								
Only one diagonal bisects opposite angles								
One diagonal is perpendicular of the other diagonal								

State whether each statement is always true, sometimes true, or never true.

- A kite is a square.
- The diagonals of a square are perpendicular bisector of each other.
- A rectangle is a parallelogram.
- The diagonals of a rhombus are equal.
- An equilateral quadrilateral is a square.